



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO AMERICAN BOTANICAL LITERATURE

1902-1918

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

This Index is reprinted monthly on cards, and furnished in this form to subscribers at the rate of one cent for each card. Selections of cards are not permitted; each subscriber must take all cards published during the term of his subscription. Correspondence relating to the card issue should be addressed to the Treasurer of the Torrey Botanical Club.

Adams, J. F. Origin and development of the lamellae in *Schizophyllum commune*. Mem. Torrey Club **17**: 326-333. *pl. 9 + f. a, b.* 10 Je 1918.

Abrams, L. R. A phytogeographic and taxonomic study of the southern California trees and shrubs. Bull. N. Y. Bot. Gard. **6**: 300-485. *pl. a-j.* 27 S 1910.

Includes *Lupinus Brittoni*, *Amorpha occidentalis*, *Ceanothus austro-montanus*, and *Malacothamnus Nuttallii*, spp. nov.

Arthur, J. C., & Johnston, J. R. Uredinales of Cuba. Mem. Torrey Club **17**: 97-175. 10 Je 1918. [Illust.]

Includes new species in *Cronartium* (1), *Cionothrix* (1), *Ravenelia* (1), *Uromycladium* (1), *Puccinia* (3), *Aecidium* (2), and *Uredo* (3).

Ashe, W. W. Loblolly or North Carolina pine (*Pinus taeda* Linnaeus). N. Carolina Geol. & Econ. Surv. Bull. **24**: i-xvi + 1-176. *pl. 1-27.* 1915.

Atkinson, G. F. Six misunderstood species of *Amanita*. Mem. Torrey Club **17**: 246-252. 10 Je 1918.

Barnhart, J. H. Historical sketch of the Torrey Botanical Club. Mem. Torrey Club **17**: 12-21. 10 Je 1918.

Beal, A. C. Gladiolus Studies-I. Botany, history, and evolution of the Gladiolus. Cornell Ext. Bull. **9**: 93-188. *f. 1-9.* D 1916.

- Beauvard, G.** Monographie du genre *Melampyrum* L. Mém. Soc. Phys. et Hist. Nat. Geneva **38**: 291-657. *f.* 1-31. 1916.
- Berry, E. W.** The lower Eocene floras of southeastern North America. U. S. Geol. Surv. Prof. Paper 91: 1-481. *pl.* 1-117. 1916.
Many new species are described.
- Blodgett, F. H.** Weather conditions and crop diseases in Texas. Mem. Torrey Club **17**: 74-78. 10 Je 1918.
- Beach, S. A.** Grape breeding: size, weight and specific gravity of the seed as correlated with germination and vigor of the seedling. Proc. Soc. Hort. Sci. **1903-1904**: 42-53. 1905.
- Boas, H. M.** The individuality of the bean pod as compared with that of the bean plant. Mem. Torrey Club **17**: 207-209. 10 Je 1918.
- Bowman, H. H. M.** Report on botanical investigation at Tortugas laboratory, season 1916. Year Book Carnegie Inst. Wash. **1916**: 188-192. 1916.
- Braun, E. L.** The vegetation of conglomerate rocks of the Cincinnati formation. Plant World **20**: 380-392. *f.* 1-5. D 1917.
- Breazeale, J. F.** Effect of sodium salts in water cultures on the absorption of plant food by wheat seedlings. Jour. Agr. Research **7**: 407-416. *f.* 1-8. 27 N 1916.
- Britton, N. L.** Botanical contributions. Contributions to the flora of the Bahama Islands—IV. Bull. N. Y. Bot. Gard. **5**: 311-318. 8 F 1909.
Includes descriptions of *Zamia lucayana*, *Ibidium lucayanum*, *Badiera oblongata*, *Passiflora bahamensis*, *Rochefortia bahamensis* and *Tetranthus bahamensis*, spp. nov.
- Britton, N. L.** Torrey Botanical Club reminiscences. Mem. Torrey Club **17**: 24-28. 10 Je 1918.
- Brown, N. A.** Some bacterial diseases of lettuce. Jour. Agr. Research **13**: 367-388. *pl. E.*, 29-41. 13 My 1918.
- Burgess, E. S.** A method of teaching economic botany. Mem. Torrey Club **17**: 52-55. 10 Je 1918.
- Burlingham, G. S.** A preliminary report on the *Russulae* of Long Island. Mem. Torrey Club **17**: 301-306. 10 Je 1918.
- Buscalioni, L., & Muscatello, G.** Studio anatomico-biologico sul gen. "*Saurauia*" Willd., con speciale riguardo alle specie americane. Malpighia **28**: 49-81. 1917; 140-162. 1917; 239-270. 1917.
- Buscalioni, L., & Muscatello, G.** Studio monografico sulle specie americane del gen. "*Saurauia*" Willd. Malpighia **28**: 1-48. 1917; 107-138. 1917; 223-238. 1917.

- Campbell, D. H.** The origin of the Hawaiian flora. Mem. Torrey Club **17**: 90-96. 10 Je 1918.
- Candolle, C. de.** The Hawaiian peperomias. College Hawaii Publ. Bull. 2: 5-38. 16 O 1913.
- Cannon, W. A.** Relation of the rate of root growth in seedlings of *Prosopis velutina* to the temperature of the soil. Plant World **20**: 320-333. f. 1-3. O 1917.
- Chavarría, A. P.** Apuntes para el estudio de la flora nacional. Bol. Soc. Cien. Nat. Inst. La Salle **6**: 135-138. O 1917.
- Cobb, F., & Bartlett, H. H.** Purple bud sport on pale flowered lilac (*Syringa persica*). Bot. Gaz. **65**: 560-562. f. 1. 18 Je 1918.
- Coblentz, W. W.** The exudation of ice from stems of plants. Mo. Weather Rev. **42**: 490-499. f. 1-18. Au 1914.
- Cooper, J. R.** Studies of the etiology and control of blister canker on apple trees. Nebraska Agr. Exp. Sta. Research Bull. **12**: 1-117. pl. 1-24. 15 D 1917.
- Cortes, S.** Flora de Colombia. Rev. Médica de Bogotá **34**: 523-528. f. a, b. 1917
Includes *Garciamedinea tricolor* and *Dimorphyllia icononçiana*, gen. et spp. nov.
- Demarest, S. A.** A sketch of the life of Coe Finch Austin. Mem. Torrey Club **17**: 31-38. 10 Je 1918.
- Dodge, B. O., & Adams, J. F.** Some observations on the development of *Peridermium Cerebrum*. Mem. Torrey Club **17**: 253-261. pl. 4-6 + f. 1-3. 10 Je 1918.
- Dodge, C. K.** Catalog of plants. Michigan Geol. & Biol. Surv. Publ. 4: (Biol. 2) 65-120. 1911.
- Duggar, B. M.** The physiological effects of shading plants. Proc. Soc. Hort. Sci. **1903-1904**: 15-26. 1905.
- Evans, A. W.** The air chambers of *Grimaldia fragrans*. Bull. Torrey Club **45**: 235-251. f. 1-14. 20 Je 1918.
- Farwell, O. A.** *Sisyrinchium Bermudiana*. Mem. Torrey Club **17**: 82, 83. 10 Je 1918.
- Fawcett, W., & Harris, W.** Elementary notes on Jamaica plants—V. Jamaica Bot. Dept. Bull. **9**: 145-148. pl. 5-7. O 1902.
- Flint, E. M.** Structure of wood in blueberry and huckleberry. Bot. Gaz. **65**: 556-559. pl. 10, 11. 18 Je 1918.
- Graff, P. W.** Philippine micromycetous fungi. Mem. Torrey Club **17**: 56-73. 10 Je 1918.
Ascophanus verrucosporus, *Meliola Litseae*, *Phyllosticta Brideliae* and *Actinothyrium Hopeae*, spp. nov., are described.

- Graham, M.** Centrosomes during early fertilization stages in *Preissia quadrata*. Mem. Torrey Club **17**: 323-325. *pl.* 8. 10 Je 1918.
- Gruber, C. L.** Experiences with a fern garden—II. Am. Fern Jour. **7**: 114-121. D 1917:—III. Am. Fern Jour. **8**: 12-16. Mr 1918.
- Haasis, F. W.** Comparative length of growing season of ring-porous and diffuse-porous woods. Plant World **20**: 354-356. N 1917.
- Harper, R. A.** The evolution of cell types and contact and pressure responses in *Pediastrum*. Mem. Torrey Club **17**: 210-240. *f.* 1-27. 10 Je 1918.
- Harper, R. M.** The vegetation of the Hempstead Plains. Mem. Torrey Club **17**: 262-286. *pl.* 7 + *f.* 1-3. 10 Je 1918.
- Harris, J. A.** On the osmotic concentration of the tissue fluids of desert Lorantheae. Mem. Torrey Club **17**: 307-315. 10 Je 1918.
- Harris, J. A., Gortner, R. A., & Lawrence, J. V.** Studies on the physico-chemical properties of vegetable saps. Biochem. Bull. **4**: 52-78. Mr 1915.
- Hauman-Merck, L.** Observations d'éthologie florale sur quelques espèces chiliennes. Rev. Chilena Hist. Nat. **17**: 153-159. *f.* 17, 18. Je 1913.
- Hazen, T. E.** The trimorphism and insect visitors of *Pontederia*. Mem. Torrey Club **17**: 459-484. *pl.* 14, 15 + *f.* 1-12. 10 Je 1918.
- Hedrick, U. P.** Effects of superheated soils on plants. Proc. Soc. Hort. Sci. **1905**: 51-55. Mr 1908.
- Hicken, C. M.** Sobre las Polipodiáceas Argentinas. Rev. Chilena Hist. Nat. **14**: 123-134. 1910.
- Hochreutiner, B. P. G.** Critical notes on new or little known species in the herbarium of the New York Botanical Garden. Bull. N. Y. Bot. Gard. **6**: 262-299. 27 S 1910.
Nineteen new species in various genera are described.
- Holden, R.** On the anatomy of two Palaeozoic stems from India. Ann. Bot. **31**: 315-326. *pl.* 17-20. O 1917.
Includes *Dadoxylon indicum* and *D. bengalense*, spp. nov.
- Hollick, A.** Torrey Botanical Club reminiscences. Mem. Torrey Club **17**: 29, 30. 10 Je 1918.
- Horst, A.** Observaciones sobre la biología de la *Tetilla hydrocotylifolia* DC. Rev. Chilena Hist. Nat. **19**: 22-29. *pl.* 4-6. Ap 1915.
- Léveillé, H.** Les *Rubus* de l'Argentine et du Chili. Rev. Chilena Hist. Nat. **21**: 90-93. 30 Je 1917.

- Levine, M.** The physiological properties of two species of poisonous mushrooms. Mem. Torrey Club **17**: 176-201. *pl.* 1, 2 + *f.* 1, 2. 10 Je 1918.
- Lewton, F. L.** *Kokia*: a new genus of Hawaiian trees. Smithsonian Misc. Coll. **60**⁵: 1-4. *pl.* 1-5. 22 O 1912.
- Lewton, F. L.** Rubelzul cotton: a new species of *Gossypium* from Guatemala. Smithsonian Misc. Coll. **60**⁴: 1, 2. *pl.* 1, 2. 21 O 1912.
- Lloyd, F. E.** The effect of acids and alkalis on the growth of the protoplasm in pollen tubes. Mem. Torrey Club **17**: 84-89. 10 Je 1918.
- Macdougall, D. T., & Cannon, W. A.** The conditions of parasitism in plants. 1-60. *pl.* 1-10 + *f.* 1, 2. 1910.
Carnegie Inst. Wash. Publ. 129.
- Márquez, C. C.** Tratado elemental de botánica. 1-533. Bogota. 1913.
- McAtee, W. L.** A sketch of the natural history of the District of Columbia together with an indexed edition of the U. S. Geological Survey's 1917 map of Washington and vicinity. Bull. Biol. Soc. Washington **1**: 1-142. My 1918.
Contains lists of plants of the District, a chapter on "Magnolia bogs near Washington, D. C., and their relation to the Pine Barrens," etc.
- McDougall, W. B.** Some edible and poisonous mushrooms. Bull. Illinois State Lab. Nat. Hist. **11**: 413-555. *pl.* 86-143 + *f.* 1. N 1917.
- Medsger, O. P.** Two months in the southern Catskills. Mem. Torrey Club **17**: 294-300. 10 Je 1918.
- Murrill, W. A.** Collecting fungi at Delaware Water Gap. Mem. Torrey Club **17**: 48-51. 10 Je 1918.
- Nichols, G. E.** The interpretation and application of certain terms and concepts in the ecological classification of plant communities. Plant World **20**: 305-319. O 1917;—II. Plant World **20**: 341-353. N 1917.
- Nishimura, M.** A carrier of the mosaic disease. Bull. Torrey Club **45**: 219-233. *pl.* 7. 20 Je 1918.
- Olive, E. W.** Potato diseases. Brooklyn Bot. Gard. Leaflets. 6: [1-4]. 29 My 1918.
- Rands, R. D.** Early blight of potato and related plants. Wisconsin Agr. Exp. Sta. Research Bull. **42**: 1-48. *f.* 1-10. Ap 1917.
- Renaudet, G.** Notas sobre las adquisiciones recientes de la fitoquímica y de la botánica médica. Rev. Chilena Hist. Nat. **14**: 55-65. 1910.

- Richards, H. M.** Determination of acidity in plant tissues. Mem. Torrey Club **17**: 241-245. 10 Je 1918.
- Robbins, W. J.** Direct assimilation of organic carbon by *Ceratodon purpureus*. Bot. Gaz. **65**: 543-551. f. 1-5. 18 Je 1918.
- Robbins, W. W.** Successions of vegetation in Boulder Park, Colorado. Bot. Gaz. **65**: 493-525. f. 1-14. 18 Je 1918.
- Rock, J. F.** New species of Hawaiian plants. College Hawaii Publ. Bull. 2: 39-49. pl. 7-12. 16 O 1913.
Includes *Cyrtandra cyaneoides*, *Clermontia montis-Loa*, *C. Waimeae*, *Cyanea communis*, *Rollandia purpurellifolia*, *R. truncata*, spp. nov., and five new varieties.
- Rusby, H. H.** Recent botanical collecting in the Republic of Colombia. Mem. Torrey Club **17**: 39-47. 10 Je 1918.
- Ruthhoven, A. G.** A biological survey of the sand dune region of the south shore of Saginaw Bay, Michigan. Michigan Geol. & Biol. Surv. Publ. 4: (Biol. 2) 1-347. pl. 1-15 + map. 1911.
- Scott, J. G.** Early horticultural journalism in the United States. Mem. Torrey Club **17**: 79-81. 10 Je 1918.
- Seaver, F. J., & Horne, W. T.** Life-history studies in *Sclerotinia*. Mem. Torrey Club **17**: 202-206. pl. 3. 10 Je 1918.
Sclerotinia Geranii sp. nov. is described.
- Shaw, J. K.** A study of variation in apples. Massachusetts Agr. Exp. Sta. Bull. 149: 21-36. Ap 1914.
- Shufeldt, R. W.** Flowers of late spring and early summer. Am. Forestry **24**: 289-294. f. 1-10. My 1918.
- Spegazzini, C.** Sobre algunos Hongos Chilenos. Rev. Chilena Hist. Nat. **21**: 79-81. 30 Je 1917.
- Spegazzini, C.** Uredináceas nuevas chilenas. Rev. Chilena Hist. Nat. **14**: 139, 140. 1910.
- Spoehr, H. A.** The pentose sugars in plant metabolism. Plant World **20**: 365-379. D 1917.
- Steil, W. N.** Method for staining antherozoid of fern. Bot. Gaz. **65**: 562, 563. f. 1. 18 Je 1918.
- Steinberg, R. A.** A study of some factors influencing the stimulative action of zinc sulphate on the growth of *Aspergillus niger*. I. The effect of the presence of zinc in the cultural flasks. Mem. Torrey Club **17**: 287-293. 10 Je 1918.
- Stiles, W., & Jörgensen, I.** Quantitative measurement of permeability. Bot. Gaz. **65**: 526-534. 18 Je 1918.